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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UTILITY PATENT APPLICATION TRANSMITTAL  
UNDER 37 CFR 1.53(b)

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Address to: Commissioner for Patents Patent Application Patent and Trademark Office Box 2327 Arlington, VA 22202	Attorney Docket No.	ARC920010055US1
	Inventor	Hideo Asano Martin Aureliano Hassner Nyles Norbert Heise Tetsuya Tamura
	Express Mail Label No.	ET001800705US
	Total Pages	48

## Application:

E LEVEL (ML), INTEGRATED SECTOR FORMAT (ISF), ERROR CORRECTION CODE (ECC) ENCODING  
ODING PROCESSES FOR DATA STORAGE OR COMMUNICATION DEVICES AND SYSTEMS

Transmitted with the patent application are the following:

2	Page(s)	Transmittal form (and one copy)
23	Page(s)	Specification, claims, abstract
11	Page(s)	Formal Drawings
6	Page(s)	Declaration and Power of Attorney
1	Page(s)	Recordation of Assignment
2	Page(s)	Assignment of the Invention to International Business Machines Corporation
3	Page(s)	Information Disclosure Statement (IDS) (copies of citations not included in number of pages)
	Page(s)	Certified copy of _____

Assignee Name: International Business Machines Corporation

This application is a: ☐ Continuation ☐ Divisional ☐ Continuation-in-Part of prior  
application Serial No. \_\_\_\_\_.

## Fee Calculation

	Claims			Extra	RateFees
Basic Fee					\$ 740.00
Total Claims	9	-20 =	0	\$ 18.00	\$ 0.00
Independent Claims	3	- 3 =	0	\$ 84.00	\$ 0.00
Multiple Dependent				\$280.00	\$
				Assignm	\$ 40.00
				TOTAL	\$ 780.00

✓ The Commissioner is hereby authorized to credit overpayments or charge fees required under 37 CFR 1.16 or 1.17 to Deposit Account 09-0441. Duplicate copy attached.

EXPRESS MAIL CERTIFICATE

I hereby certify that the above paper/fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to the Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202, Box Patent Application.

Date of Deposit: January 3, 2002

Person mailing paper/fee: Marc D. McSwain

Signature: Marc D. McSwain

Respectfully submitted,  
H. Asano et al.

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